FOERSTER

REFERENCE STANDARD CONDUCTIVITY MEASUREMENT

Reference standards for checking and setting up conductivity measurement



Optimum measurement results. Appropriate conductivity standards are used to check and set up the conductivity measurement with the SIGMATEST. The better the quality of this reference standard, the better the final measurement result. Therefore, the raw material must already meet various requirements, e.g. a homogeneous material structure.

As a standard FOERSTER offers conductivity standards traceable to an AC measurement of the NPL (National Physical Laboratory). This measurement is the closest to eddy current testing and provides the best readings when all measurement uncertainties are considered. FOERSTER continues to offer standards based on a DC measurement by the PTB (Physikalisch-Technische Bundesanstalt) on request.

YOUR ADVANTAGES AT A GLANCE

Highest measurement accuracy: Highest measurement accuracy through high-quality, homogeneous reference standards

NPL Traceability: Traceability to NPL (AC) measurements for optimal eddy-current calibration

AC & DC compatibility: Compatible with both AC (NPL) and DC (PTB) conductivity standards

Minimised measurement uncertainty: Minimised measurement uncertainty thanks to AC standards aligned with the eddy-current principle

Direct standard transfer: Direct transfer of primary to secondary standards with consistent measurement electronics

Stable & reducible results: Stable, reproducible results even with challenging material conditions

Future-proof calibration: Future-proof calibration with AC-based standards

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